

CLAIMS

1. An electrode device having a recess, comprising:
 - a substrate film including a recess projecting upward,
 - 5 an outward flange section surrounding the periphery of the opening of the recess, and a lead section extending from the outward flange section;
 - an electrode layer leading to the lead section from a bottom and a sidewall of the recess through the outward flange
 - 10 section on the substrate film; and
 - a deformed portion that is deformed so as to cause the outward flange section of the substrate film to project or hollow and formed so as to surround the recess on the outward flange.
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2. The electrode device according to claim 1, wherein the substrate film comprising a member obtained by laminating a plastic film and a metal film, and it is possible to bend the laminated member easily with a hand and to hold a bent state.
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3. The electrode device according to claim 1, wherein the deformed portion projects upward to be a seal portion for a cap member covering the recess.
- 25 4. The electrode device according to claim 3, wherein the recess is a portion in which gel containing an electrolyte

is put, and the deformed portion projecting upward stops leakage of the gel when the gel is put in the recess.

5. The electrode device according to claim 1, wherein the
5 deformed portion is formed using molding of the recess.

6. The electrode device according to claim 1, wherein the deformed portion is continuously formed on the outward flange excluding a region where the electrode layer extends.